SIMPLE, EASY

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1 IN 8 OUT HDMI v1.3 SPLITTER

AT-HD-V18

User Manual

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INTRODUCTION

Congratulations on your purchase of the AT-HD-V18 Splitter. Your satisfaction is very impor¬tant to us. Our series of HDMI Switchers and Splitters are designed to make the use of your HDTV equipment more comfortable, productive and affordable.
With 1 x HDMI Input and 8 x HDMI Outputs, the AT-HD-V18 allows one HD source device to support up to eight HDTV displays. Both HDTV displays will have the same quality image as the source. Along with being HDCP Compliant, auto-scan function software is built-in to extend HDMI signal for long distance at resolutions up to 1080p or 1920x1200 for HDMI or DVI. With additionally supported EDID functionality, Atlona's distribution amplifier is the perfect device for allowing users to connect any digital video source, such as: (DVD, Satellite, Cable Box, PC, Xbox, PS3 and more) to multiple displays.

FEATURES

- One HDMI source to connect up to eight HDMI displays simultaneously.
- HDCP keysets allows each output to work independently when connecting to a HDMI display.
- Splits a HDMI source up to eight outputs without signal loss.
- Support wide range of PC resolutions from VGA to WUXGA 1920x1200 and HDTV/DTV resolutions 480i/480p, 576i/576p, 720p, 1080i, 1080p
- Supports DVI source and DVI display by using HDMI to/from DVI adaptor cable.
- Dolby Digital, DTS digital audio transmission (32-192 kHz Fs sample rate).
- Supports EDID functionality. The unit will detect the first HDMI/DVI output source's EDID and record in the unit. If the first detected output source is empty it will pass to next source, until the first HDMI/DVI has been detected. When user reconnect`s all the output sources or re- plug`s the power, the system will automatically recover the EDID.
- HDMI 1.3, HDCP1.1 and DVI1.0 compliant Receiver.
- Support video bandwidth up to 6.75 Gbps (link clock rate of 225 MHZ)
- Compatible with all HDMI devices, PC monitors, Plasma TV display and HDTV
- Support Digital Video TMDS formats in Deep Color 36bits
- Support color depth of up to 36 bits
- Bi-direction color space conversion (SCS) between RGB and YCBCR color
- Auto-Scan input and outputs status via LED display on front panel
- Control by Selection buttons on front panel
- Support desktop with Ear mount and 19 inch Rack mountable type panel

SPECIFICATIONS

- Input port 1x HDMI female port (Type A connector)
- Output ports 8x HDMI female ports (signal link)
- Supports: HDMI Standard, DVI and HDCP Compliant
- Supported Video: HDMI and DVI formats up to 1080p and 1920x1200;
- Supported Audio: DTS-HD Master Audio, Dolby True -HD & Dolby Digital Plus
- Type of Signal: TMDS Digital Video PCM Digital Audio
- Compliant with HDMI standard: HDMI and HDCP.
- Data Rates: 250Mbps to 6.75 Gbps. Pixel clocks: 25MHz to 225 Mhz.
- HDMI Cable Distance: 40ft up to 6.75Gbps.
- Interface support digital video standards such as: RGB/YCBCR : 24/30/36-bits; YCBCR :8/10/12/16/20/24-bits; Double data rate interface for RGB/YCBCR : 12/15/18-bits
- Power Supply: 12V DC (US/EU standards, CE/FCC/UL certified)
- Dimensions (mm): 275(W) x 155(D) x 25(H)
- Weight(g): 2.3 LB
- Chassis Material: Metal
- Silk Skin: Color Black
- Operating Temperature: Operating from 0°C ~ 48°C

PACKAGE CONTENTS:

- AT-HD-V18 unit
- Operating Manual
- 19 inch Ear mount pair
- 12V DC Power Supply

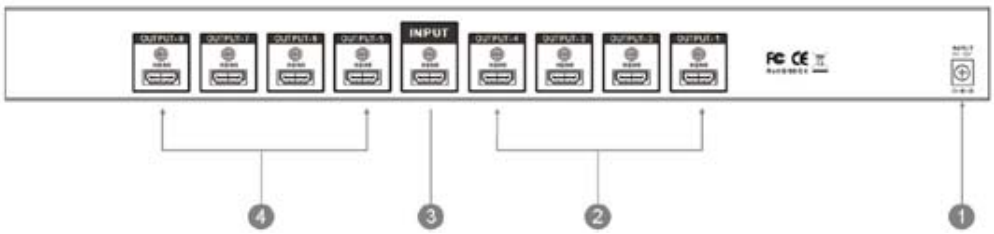
PANEL DESCRIPTIONS

1. Front Panel

1. POWER SWITCH. The power switch turns the unit on and off. The LED will illuminate red to indicate that the switcher is ON

2. 19 INCH EAR MOUNT PAIR. 19 inch case Ear Mount pair

2. Rear Panel



1. DC POWER INLET. Power input - 12V DC

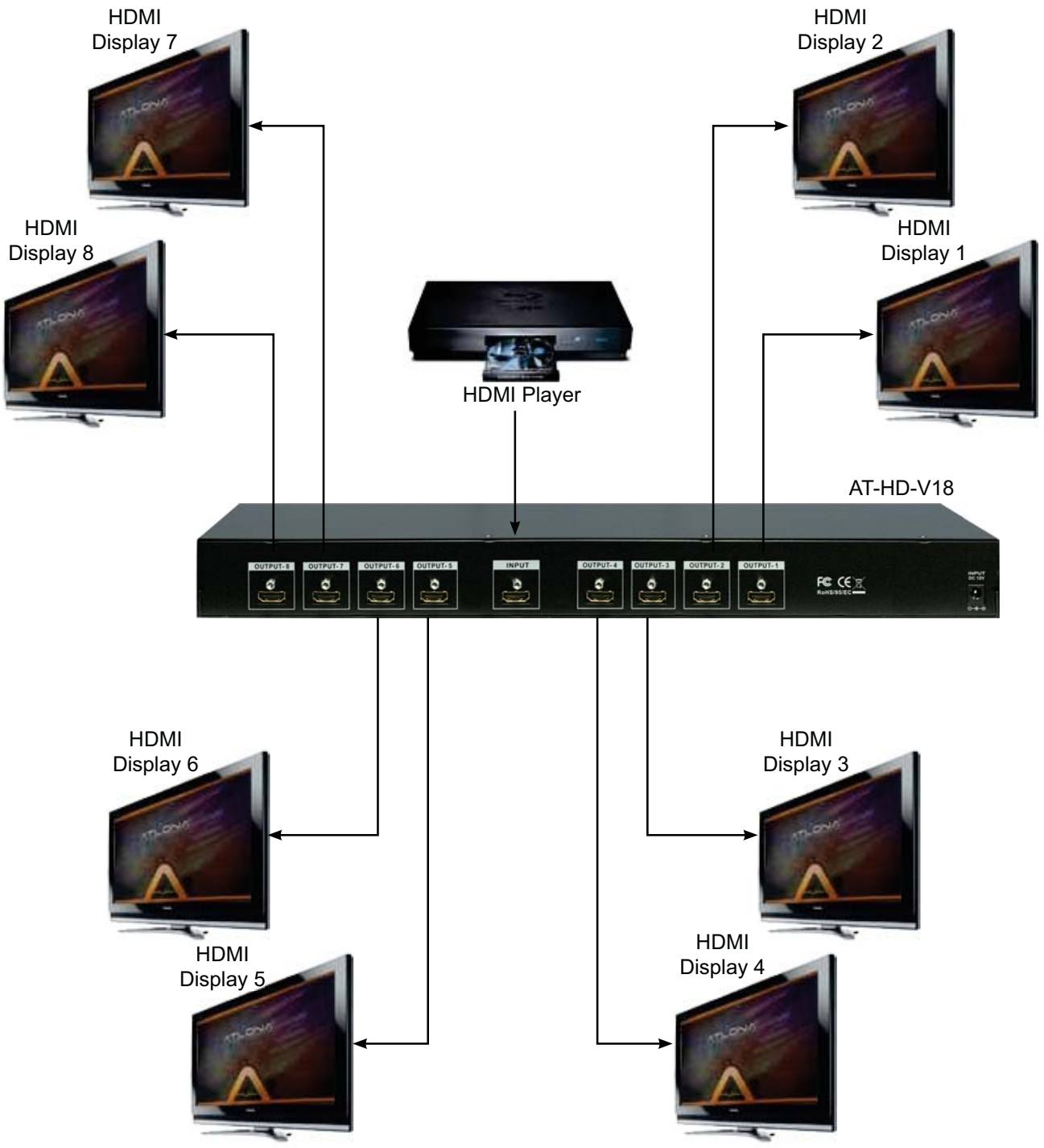
3. INPUT-1x HDMI. HDMI (Female) digital video/audio connector

Note: With the proper adapters, the distributor can be used with DVI digital video signals

2,4. OUTPUTS: HDMI Outputs 1-8. HDMI (Female) digital video/audio connector

Note: With the proper adapters, the distributor can be used with DVI digital video signals

APPLICATIONS



OPERATION

Connect the AT-HD-V18 Splitter to your devices

1. Connect the HDMI cable from the HD source to the input port of AT-HD-V18 Splitter.

2. Connect the HDMI cables from your displays (monitor or projector) to the outputs of the AT-HD-V18 Splitter.

3. Standard resolution of outputs set up:

Please set the output resolution of the source device first, and make sure the resolution can be displayed on all connected display devices. For example, if you set the output resolution of the source device to 1080p, please make sure all the display devices can display 1080p resolution. If any connected display device cannot support 1080p resolution, the display device will show no pictures.

4. Plug the 12VDC power supply into the AT-HD-V18 Splitter.

5. When connections are completed, the HDTV signal will be distributed to each HDTV dis¬play.

6. For the best performance, you should re-start the AT-HD-V18 splitter power to make sure the AT-HD-V18 is working well in HDCP between HD player and Display devices, when the HDMI cable was disconnected after your last use.

ATTENTIONS

• AT-HD-V18 will distribute one resolution only at one time. Please set the output resolution of the source device first, and make sure the resolution can be displayed on all connected display devices.

• The resolution mode will depend on the first plug-in or first of the sequent display devices that can successfully communicate with the source devise. Make sure your display devices can support the highest resolution as the source device can support, and your display devices are HDCP compliant and fully support HDCP.

• If the AT-HD-V18 is connected to multiple HDTVs which support different highest resolution (720p, 1080i, 1080p 1920x1200), it is recommended to adjust the output resolution of source device to match the resolution of HDTV that has lower resolution.

For example, the AT-HD-V18 is connected to 2 HDTVs, and one of them only supports 720p HD resolution, but another can support up to 1080p. If you want them to show the same HD content, please set the output resolution of source device to 720p.

• To reset the HDMI Splitter, please unplug the power adaptor, or unplug the power cord from DC jack; and then plug it back.

Safeguards

- To reduce the risk of electric shock, do not expose this product to rain or moisture.
- If the wall plug does not fit into your local power socket, hire an electrician to replace your obsolete socket.
- Do not modify the wall plug.
  Doing so will void the warranty and safety features.
- This equipment should be installed near the socket outlet and the device should be easily accessible in case it requires disconnection.

Precautions

- FCC Regulations state that any unauthorized changes or modifications to this equipment not expressly approved by the manufacturer could void the user's authority to operate this equipment.
- Operate this product using only the included external power supply. Use of other power supplies could impair performance, damage the product or cause fires.
- In the event of an electrostatic discharge, this device may automatically turn off. If this occurs, unplug the device, and plug it back in.
- Protect and route power cords so they will not be stepped on or pinched by anything placed on or against them. Be especially careful of plug-ins, or cord exit points from this product.
- Avoid excessive humidity, sudden temperature changes or temperature extremes.
- Keep this product away from wet locations such as bathtubs, sinks, laundries, wet basements and swimming pools.
- Use only accessories recommended by ATLONA to avoid fire, shock or other hazards.
- Unplug the product before cleaning. Use a damp cloth for cleaning. Do not use cleaning fluid or aerosols, which could enter the unit and cause damage, fire or electrical shock. Some substances may also mar the finish of the product.
- Never open or remove unit panels or make any adjustments not described in this manual. Attempting to do so could expose you to dangerous electrical shock or other hazards. It may also cause damage to your AT-HD-V18. Opening the product will void the warranty.
- Do not attempt to service the unit. Instead disconnect it and contact your Authorized ATLONA reseller or contact ATLONA directly.

WARRANTY

1. LIMITED WARRANTY

Atlona Technologies warrants that (a) its products (the "Product") will perform substantially in accordance with the accompanying written materials for a period of 3 YEARS from the date of receipt and (b) that the Product will be free from defects in materials and workmanship under normal use and service for a period of 3 years. In the event applicable law imposes any implied warranties, the implied warranty period is limited to 3 years from the date of receipt. Some jurisdictions do not allow such limitations on duration of an implied warranty, so the above limitation may not apply to Customer.

2. CUSTOMER REMEDIES

Atlona Technologies and its suppliers' entire liability and Customer's exclusive remedy shall be, at Atlona Technologies' option, either return of the price paid for the Product, or repair or replacement of the Product that does not meet this Limited Warranty and which is returned to Atlona Technologies with a copy of Customer's receipt. This Limited Warranty is void if failure of the Product has resulted from accident, abuse, or misapplication. Any replacement Product will be warranted for the remainder of the original warranty period or 3 year, whichever is longer.

3. NO OTHER WARRANTIES

TO THE MAXIMUM EXTENT PERMITTED BY APPLICABLE LAW, ATLONA TECHNOLOGIES AND ITS SUPPLIERS DISCLAIM ALL OTHER WARRANTIES, EITHER EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, WITH REGARD TO THE PRODUCT AND ANY RELATED WRITTEN MATERIALS. THIS LIMITED WARRANTY GIVES CUSTOMER SPECIFIC LEGAL RIGHTS. CUSTOMER MAY HAVE OTHER RIGHTS DEPENDING ON THE JURISDICTION.

4. NO LIABILITY FOR DAMAGES

TO THE MAXIMUM EXTENT PERMITTED BY APPLICABLE LAW, IN NO EVENT SHALL ATLONA TECHNOLOGIES OR ITS SUPPLIERS BE LIABLE FOR ANY DAMAGES WHATSOEVER (INCLUDING WITHOUT LIMITATION, SPECIAL, INCIDENTAL, CONSEQUENTIAL, OR INDIRECT DAMAGES FOR PERSONAL INJURY, LOSS OF BUSINESS PROFITS, BUSINESS INTERRUPTION, LOSS OF BUSINESS INFORMATION, OR ANY OTHER PECUNIARY LOSS) ARISING OUT OF THE USE OF OR INABILITY TO USE THIS PRODUCT, EVEN IF ATLONA TECHNOLOGIES HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES. IN ANY CASE, ATLONA TECHNOLOGIES' AND ITS SUPPLIERS' ENTIRE LIABILITY UNDER ANY PROVISION OF THIS AGREEMENT SHALL BE LIMITED TO THE AMOUNT ACTUALLY PAID BY YOU FOR THE PRODUCT. BECAUSE SOME JURISDICTIONS DO NOT ALLOW THE EXCLUSION OR LIMITATION OF LIABILITY FOR CONSEQUENTIAL OR INCIDENTAL DAMAGES, THE ABOVE LIMITATION MAY NOT APPLY TO YOU.

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ATLONA PRODUCT REGISTRATION

Thank you for purchasing this Atlona product — we hope you'll enjoy it.

We also hope that you'll take a few moments to register your new purchase. Registration creates an ownership record if your product is lost or stolen and helps ensure you'll receive notification of performance issues and firmware updates.

At Atlona, we respect and protect your privacy and assure you that your registration information is completely secure. Of course, Atlona product registration is totally voluntary and failure to register will not diminish your limited warranty rights.